

N^o-8.

Feb'y 4th 1889

Feb'y 12th 1889.

D^r 2935 to 2980.

Hy^d 1707 to 1761.

Abb.	Meaning	Abb.	Meaning.
cl.	clay	brk.	black
co.	coral	br.	brown
For.	Foramifera	bu.	blue
g.	Gravel	choc.	chocolate
Glob.	Globigerina	dk.	dark
m.	Mud.	gn.	green
Oz.	Ooze.	gy.	gray
P.	Pebbles	lt.	light
Pter.	Pteropods.	rd.	red
R.	Rocks	slat.	slate
S.	Sand	wh.	white
Sh.	Shells	yl.	yellow.
Sp.	Specks		
St.	Stones		
brk	broken		
crs.	coarse		
fine.	fine		
hnd.	hard.		
lge	Large		
rky.	rocky		
sft.	soft		
sm	small		
stk	sticky		
stf.	stiff		

Tanner Machine.

Correction Table
Tanner Machine

16-38 fms + 1

38-70 " + 2

70-105 " + 3

105-142 " + 4

142-190 " + 5

190-260 " + 6

260-384 " + 7

1747 to 1761 Hyatt

2985 to 2980 Duane

1706
2954
Hydrog
No. 1707

Date Feb 4th 1889

Sigsbee Machine. Reel. 42
Turns 41 Cor. + 4 Depth 45

Shot or lead 38 lb

Bottom M.

Bottom temperature 56.

No. of Thermometer 50306 Cor. ± 0

Corrected temperature 56

Air 58 Surface 59 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.14.6	10.18.00	0		
10.15.00	10.16.20	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

FWM

No. *2935*

Date *Dec. 4th 1889*

Sigsbee Machine. *2* Reel.

Turns *118* Cor. + *6*

Depth *124*

Shot or lead *38 lbs*

Bottom *fm gy. S*

Bottom temperature *49.2*

No. of Thermometer *50306* Cor. ± 0

Corrected temperature *49.2*

Air *68* Surface *69* Drift. *N. 1/4 W. 1/4 M.*

Trawl or dredge or tangles *large Beam*

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

9. m.

10.55.20 11.0.00

0

11.04.00 11.35.00

10.57.00 10.59.00

100

11.4.30 11.30.30

10.57.30 10.57.40

200

11.6.30 11.27.30

*250
300*

11.8.30 11.25.30

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

507
Feb 7. 13.

No. 2936 Date Feb. 4th 1889

Sigsbee Machine. 2 Reel.

Turns 332 Cor. + 27 Depth 359

Shot or lead 38 lbs.

Bottom M.

Bottom temperature 49

No. of Thermometer 50306 Cor. ± 0

Corrected temperature 49

Air 61 Surface 61 Drift NW 1/4 m

Trawl or dredge or tangles Large Brann

SOUNDING WIRE.

P.M. DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12. 11. 40

20.40

0

22.30

32.00

13. 00

19.50

100

29.00

28.45

14. 35

19.15

200

32.45

26.00

16. 00

18.20

300

36.00

23.00

400

38.30

20.10

500

41.00

16.50

600

43.00

13.45

700

45.35

1.10.10

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Laurel B.
 No. *Hyd.* 1708 Date *Feb 4* 1889
Sigsbee Machine. 2 Reel.
 Turns 409 Cor. + 32 Depth 441
 Shot or lead 38 lbs.

Bottom *gn. sb.*

Bottom temperature 40.8

No. of Thermometer 50306 Cor. ± 0

Corrected temperature 40.8

Air 60 Surface 61 Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

<i>P.M.</i> DOWN.	UP.
2. 16. 15	26. 50
17. 30	25. 30
18. 30	24. 30
19. 30	23. 30
20. 40	22. 30

TURNS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

DREDGE ROPE.

DOWN. UP.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Hyd 1709* Date *Feb 4" 1889*Machine. *Reel.*Turns *420* Cor. + *34* Depth *454*Shot or lead *38 lbs.*Bottom *gn. sb.*Bottom temperature *40.5*No. of Thermometer *50306* Cor. ± 0 Corrected temperature *40.5*Air *61* Surface *61* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.
<i>3. 5. 20</i>	<i>16. 00</i>	0
<i>6. 40</i>	<i>15. 00</i>	100
<i>7. 50</i>	<i>14. 20</i>	200
<i>9. 15</i>	<i>13. 30</i>	300
<i>10. 40</i>	<i>12. 30</i>	400
		500
		600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *2957* Date *Feb 11 1881**Sigsbee* Machine. *2* Reel.Turns *430* Cor. + *34* Depth *464*~~Shot or lead~~ *38 lbs.*Bottom *gn m*Bottom temperature *46.5*No. of Thermometer *50306* Cor. ± 0 Corrected temperature *46.5*Air *6* Surface *6* Drift *1/2 m S*Trawl or dredge or tangles *Large Yelound*

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>55.00</i>	<i>5.10</i>	<i>0</i>	<i>19.30</i>	<i>38.0</i>
<i>55.50</i>	<i>4.20</i>	<i>100</i>	<i>14.0</i>	<i>34.15</i>
<i>56.55</i>	<i>3.30</i>	<i>200</i>	<i>18.0</i>	<i>30.0</i>
<i>57.55</i>	<i>2.40</i>	<i>300</i>	<i>21.50</i>	<i>26.15</i>
<i>59.00</i>	<i>1.50</i>	<i>400</i>	<i>24.0</i>	<i>22.0</i>
		<i>500</i>	<i>26.50</i>	<i>18.0</i>
		<i>600</i>	<i>28.50</i>	<i>14.20</i>
		<i>700</i>	<i>30.50</i>	<i>10.0</i>
		<i>800</i>	<i>33.50</i>	<i>05.0</i>
		<i>900</i>	<i>36.40</i>	<i>5.00</i>
		<i>1000</i>		
		<i>1100</i>		
		<i>1200</i>		
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>		
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

AP

No. *1210* Date *Feb 11 1899*

Sigsbee Machine. Reel. *#2*

Turns *419* Cor. + *33* Depth *452*

Shot or lead *38 lbs.*

Bottom *gy. m.*

Bottom temperature *46.4*

No. of Thermometer *50306* Cor. ± 0

Corrected temperature *46.4*

Air *62* Surface *60* Drift.

Trawl or dredge or tangles *_____*

P. 11

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

<i>6-13-0</i>	<i>23-50</i>
<i>14-0</i>	<i>22-20</i>
<i>15-0</i>	<i>21-0</i>
<i>16-30</i>	<i>20-0</i>
<i>17-40</i>	<i>6-19-0</i>

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Atk.

No. *1711* Date *Feb 11 1887*
Machine. *Reel.* *2*
Turns *445* Cor. *32* Depth *445*
Shot or lead *38 lbs.*
Bottom *gy M.*
Bottom temperature *40.8*
No. of Thermometer *50506* Cor. ± 0
Corrected temperature *40.8*
Air *61* Surface *60* Drift.
Trawl or dredge or tangles *—*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7-55-0</i>	<i>17-0</i>	0		
<i>6-30</i>	<i>16-0</i>	100		
<i>8-0</i>	<i>15-0</i>	200		
<i>10-0</i>	<i>14-0</i>	300		
<i>12-0</i>	<i>7-18-0</i>	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

507
Wm. H. Gann

No. 1712

Date Feb. 4 1889

Sigsbee Machine. 2 Reel.

Turns 2100 Cor. + 32 Depth 432

Shot or lead 38 lb

Bottom gn. M.

Bottom temperature 41.

No. of Thermometer 30206 Cor. ± 0

Corrected temperature 41

Air 61 Surface 60 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

P.M. DOWN.

UP.

DOWN.

UP.

8.00

8.11.20

0

8.2.30

8.10.10

100

8.3.40

8.9.30

200

8.4.50

8.8.10

300

8.6.00

8.7.30

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

W. A. 1919

Hydr.

No. 1713

Date Feb 4th 1919

Sigsbee Machine. 2 Reel.

Turns 302 Cor. + 25 Depth 327

~~Shot or lead~~ 38

Bottom R. H. S.

Bottom temperature 43.2

No. of Thermometer 50806 Cor. ± 0

Corrected temperature 43.2

Air 61 Surface 60 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

P.M. DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8.55.00	9.40.0	0
8.57.20	9.3.20	100
8.59.10	9.2.00	200
9.00.1	9.1.30	300
		400
		500
		600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

507
Hyder
No. 1714

Date Dec 4th 1889

Sigsbee Machine. 2 Reel.

Turns 300 Cor. + 24 Depth 324

~~Shot or lead~~ 38 lb

Bottom gy. m.

Bottom temperature 43.2

No. of Thermometer 51306 Cor. ± 0

Corrected temperature 43.2

Air 60 Surface 59 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.47.30	9.56.30	0		
9.49.10	9.55.00	100		
9.50.30	9.53.60	200		
9.51.30	9.52.30	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Hydr
No. 1715

Date Dec 4 1888

Sigsbee Machine. 2 Reel.

Turns 255 Cor. + 21 Depth 276

Shot or lead 38 lb

Bottom gy. M.

Bottom temperature 51.

No. of Thermometer 50306 Cor. + 1.

Corrected temperature 57

Air 60 Surface 60 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.38.50	10.49.40	0		
10.40.00	10.48.10	100		
10.41.30	10.47.30	200		
10.43.00	10.46.30	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1716 Date Feb 27 1899

Sigsbee Machine. 2 Reel.

Turns 945 Cor. 19 Depth 264

Shot or lead 38 lb.

Bottom gm. M.

Bottom temperature 45.

No. of Thermometer 50306 Cor. ± 0

Corrected temperature 45

Air 60 Surface 60 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.30.20	11.37.50	0		
11.31.10	11.37.00	100		
11.33.00	11.36.00	200		
11.34.00	11.35.10	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Hyd 1717* Date *Feb. 5*
Tanner Machine. Reel.

Turns *156* Cor. + *5* Depth *161*

Shot or lead *257*

Bottom *gy. sh.*

Bottom temperature *Ther did not sample*

No. of Thermometer *50306* Cor. ± 0

Corrected temperature *norm*

Air *58* Surface *59* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.50

12.55

13.00

13.05

13.10

13.15

13.20

13.25

13.30

13.35

13.40

13.45

13.50

13.55

14.00

14.05

14.10

14.15

14.20

14.25

14.30

14.35

14.40

14.45

14.50

15.00

15.05

15.10

15.15

15.20

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1718* Date *Feb. 5, 1889*

Machine. Reel.

Turns *20* Cor. + *1* Depth *21*~~Shot or lead~~ *25 lb*Bottom *brd. M.*Bottom temperature *59*No. of Thermometer *50306* Cor. ± 0 Corrected temperature *59*Air *58* Surface *59* Drift.~~Trawl or dredge or tangles~~

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*A.M.**1. 21. 10**22. 00*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1719* Date *Feb 5, 1889*
Hand line Machine. Reel.

Turns Cor. \pm Depth *18*

Shot or lead

Bottom *fine gy. S.*

Bottom temperature

No. of Thermometer *50306* Cor. *}*

Corrected temperature

Air *54* Surface *57* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

507

No. 1720 Date Feb 5th 89
 Tanner Machine. Reel.

Turns 20 Cor. + 1 Depth 21

Shot or lead 35 lb

Bottom fm. gy. S.

Bottom temperature

No. of Thermometer 50506 Cor. {

Corrected temperature

Air 54 Surface 57 Drift.

Trawl or dredge or tangles

4.4

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

25 + 1

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

1134

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

504

No. 1721 Date Feb. 5/89
Tanner Machine. Reel. 1

Turns 25 Cor. + 1 Depth 26

Shot or lead 35 lb.

Bottom fm gy S

Bottom temperature 57.8

No. of Thermometer 50386 Cor.

Corrected temperature 57

Air 54 Surface 57 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

11-34
DOWN.

UP.

TURNS.

- 0
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400

DREDGE ROPE.

DOWN.

UP.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1722 Date

Machine.

Reel.

Turns 28 Cor. + 1

Depth 29

Shot or lead 35 lbs

Bottom fw gy.

Bottom temperature 58

No. of Thermometer 50306 Cor. ± 0

Corrected temperature 58

Air 56 Surface 58 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

11-51-0

11-52-0

TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

DOWN.

UP.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Wm. A. 507

No. 1723 Date June 5th 1889

Machine. Reel.

Turns 28 Cor. + 1 Depth 29

Shot or lead 25

Bottom fine gy S.

Bottom temperature 58.

No. of Thermometer 50306 Cor. ± 0

Corrected temperature 58

Air 56 Surface 58 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.1.30	12.3.00	0	12.48.30	
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1124* Date *Dec 8 1881*

Sanner Machine. Reel.

Turns *47* Cor. *+*Depth *27*~~Shot or lead~~ *25 lb*Bottom *br gy S*Bottom temperature *56*.No. of Thermometer *50306* Cor. *±0*Corrected temperature *56*Air *56* Surface *58* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.16.30 *12.19.00**12.17.00* *12.17.30*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

W.H. 107

No. 1725 *Hydra*; Date *Sept 5 1881*
Tanner Machine. 9 Reel.

Turns *664* Cor. + *4* Depth *115-*

~~Shot or~~ lead *25-lb*

Bottom *fm gy. s.*

Bottom temperature *49.5-*

No. of Thermometer *50306* Cor. ± 0

Corrected temperature *49.5-*

Air *56* Surface *58* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12.30.00</i>	<i>12.34.00</i>	0		
<i>12.31.30</i>	<i>12.32.30</i>	100		
<i>12.33.00</i>	<i>12.31.00</i>	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2938 Dredge Date Oct 1 1911

Machine. Reel.

Turns 45 Cor. + 2 Depth 47

~~Shot or lead~~ 25 lb

Bottom fm gy S. ST

Bottom temperature 58.

No. of Thermometer 50306 Cor. \pm 0

Corrected temperature 58

Air 56 Surface 58 Drift.

~~Trawl or dredge or tangles~~ large rocks and

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

19.53.30 19.56.01

0

12.58.30 1.20.01

19.54.30 19.55.00

100

1.02.30 1.17.30

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 739 Date July 15 1882

Tanner Machine. Reel.

Turns 26 Cor. + 1 Depth 27

Shot or lead 25 lbs

Bottom bu gy S. St.

Bottom temperature did not work.

No. of Thermometer 50206 Cor. ±0 } 2

Corrected temperature

Air 58 Surface 59 Drift 1/2 m. W. N. W.

Trawl or dredge or tangles Large beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
131.30	132.00	0	145.30	209.30
132.00	132.30	100	152.00	
		200	154.40	227.30
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Fished with hand line for 12 min.

Dredge left the ship at 2.08
Retrieved the ship at 2.53

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2940 Date Oct 5 1887

Machine. Reel.

Turns 25 Cor. + 1 Depth 26

Shot or lead 25 lb

Bottom m. s. sh. ST.

Bottom temperature 59

No. of Thermometer 50306 Cor. ± 0

Corrected temperature 59

Air 58 Surface 57 Drift.

Trawl or dredge or tangles none seen

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2.31.36

2.33.00

0

2.47.00

2.32.00

2.32.10

100

2.50.00

0.30

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2.35.
Fish 2 m. h. ...
... 2.42, ...

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

(W) 597

No. 2941 Date *June 6th 1881*

Tanner Machine. Reel.

Turns 25 Cor. + 1 Depth 26

Shot or lead 25-lb

Bottom *Sh. M.*

Bottom temperature 3

No. of Thermometer 5506 Cor. *2.2*

Corrected temperature

Air 59 Surface 59 Drift. 1/2 mile

Trawl or dredge or tangles *none*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.10	8.11.40	0	8.11.50	8.25.00
8.10.30	8.11.00	100	8.12.10	
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2742 Date Feb 5th 1889

Tanner Machine. Reel.

Turns 19 Cor. + 1 Depth 20

Shot or lead 25 lb

Bottom gy Sbk sh. ST.

Bottom temperature 59.2

No. of Thermometer 50306 Cor. ± 0

Corrected temperature 59.2

Air 59 Surface 56 Drift 15 SW 5

Trawl or dredge or tangles. Long...

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8 53:20

3.56.00

1.1.1.1

3.56.30

0
60
100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

3.56.15

4 01 30

21 00

18 20

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

1726

Date

Feb 6/89

Machine.

Machine.

Reel.

Turns 120 Cor. +

4

Depth

124

Shot or lead

25 lbs.

Bottom

gn M

Bottom temperature

~~59.5~~

No. of Thermometer

50306

Cor. ± 0

Corrected temperature

~~59.5~~

Air

57

Surface

58.60

Drift.

Trawl or dredge or tangles

~~~~~

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

11-17-0

40-0

0

18-0

11-19-0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 10121

Date July 2 1882

Tanner

Machine.

Reel

Turns 85 Cor. + 3

Depth 88

Shot or lead 25 lbs.

Bottom gw. M

Bottom temperature ~~59.8~~No. of Thermometer 50806 Cor.  $\pm$ 

Corrected temperature

Air 57 Surface 58 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

11-27-30

11-30-0

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

1728

Date

Feb. 6/85

Tanner

Machine.

Reel.

0

Turns 45 Cor. + 2

Depth 47

Shot or lead 35 lbs.

Bottom gy. s. bk. sh.

Bottom temperature 55.5

No. of Thermometer 50306 Cor.  $\pm 0$

Corrected temperature 55.5

Air 57 Surface 58 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11-38-0

11-40-0

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

1739

Date

Feb 1 1899

Tanner

Machine.

Reel.

Turns

46

Cor. +

2

Depth

48

Shot or lead

25 lbs.

Bottom

gy S bk. Sp.

Bottom temperature

55

No. of Thermometer

50306

Cor.  $\pm 0$ 

Corrected temperature

55

Air

57

Surface

58

Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

17 55-0

12-0-0

## TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

## DREDGE ROPE.

DOWN.

UP.



|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

1730

Date

Feb 10

Annon

Machine.

Reel.

Turns

46

Cor. +

2

Depth

48

Shot or lead

45 lbs

Bottom

gy S bk sp

Bottom temperature

55.2

No. of Thermometer

50306

Cor.  $\pm 0$ 

Corrected temperature

55.2

Air

57

Surface

58

Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

12-1-0

12-2-0

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

277007

No. 1731 *Hyatt* Date *Feb 6* <sup>74</sup><sub>11</sub> 1889

*Tanner* Machine. Reel.

Turns 48 Cor. + 2 Depth 50

~~Shot or lead~~ 25

Bottom *gy. S. bk. sh. sh. sh.*

Bottom temperature 56.

No. of Thermometer 50306 Cor.  $\pm$

Corrected temperature 56

Air 57 Surface 58 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE.           |            | TURNS. | DREDGE ROPE. |     |
|--------------------------|------------|--------|--------------|-----|
| DOWN.                    | UP.        |        | DOWN.        | UP. |
| <i>P.M.</i><br>12. 7. 30 | 12. 10. 00 | 0      |              |     |
| 12. 8. 40                | 12. 8. 30  | 100    |              |     |
|                          |            | 200    |              |     |
|                          |            | 300    |              |     |
|                          |            | 400    |              |     |
|                          |            | 500    |              |     |
|                          |            | 600    |              |     |
|                          |            | 700    |              |     |
|                          |            | 800    |              |     |
|                          |            | 900    |              |     |
|                          |            | 1000   |              |     |
|                          |            | 1100   |              |     |
|                          |            | 1200   |              |     |
|                          |            | 1300   |              |     |
|                          |            | 1400   |              |     |
|                          |            | 1500   |              |     |
|                          |            | 1600   |              |     |
|                          |            | 1700   |              |     |
|                          |            | 1800   |              |     |
|                          |            | 1900   |              |     |
|                          |            | 2000   |              |     |
|                          |            | 2100   |              |     |
|                          |            | 2200   |              |     |
|                          |            | 2300   |              |     |
|                          |            | 2400   |              |     |

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

507  
W.H.H.

No. 173-2 / Date Feb 6<sup>th</sup> 1881

Tanner Machine. Reel.

Turns 60 Cor. + 2 Depth 62

~~Shot or lead 25 lb~~

Bottom fine gy. S. and G.

Bottom temperature

No. of Thermometer 30306 Cor.  $\pm 0$

Corrected temperature 54

Air 57 Surface 58 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |       | TURNS. | DREDGE ROPE. |     |
|----------------|-------|--------|--------------|-----|
| P. M.,         | DOWN. |        | DOWN.        | UP. |
| 12.            | 13.30 | 0      |              |     |
| 12.            | 14.40 | 100    |              |     |
|                |       | 200    |              |     |
|                |       | 300    |              |     |
|                |       | 400    |              |     |
|                |       | 500    |              |     |
|                |       | 600    |              |     |
|                |       | 700    |              |     |
|                |       | 800    |              |     |
|                |       | 900    |              |     |
|                |       | 1000   |              |     |
|                |       | 1100   |              |     |
|                |       | 1200   |              |     |
|                |       | 1300   |              |     |
|                |       | 1400   |              |     |
|                |       | 1500   |              |     |
|                |       | 1600   |              |     |
|                |       | 1700   |              |     |
|                |       | 1800   |              |     |
|                |       | 1900   |              |     |
|                |       | 2000   |              |     |
|                |       | 2100   |              |     |
|                |       | 2200   |              |     |
|                |       | 2300   |              |     |
|                |       | 2400   |              |     |

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

711697

No. 1742 Hys. Date Feb. 6 1881

Panner Machine. Reel.

Turns 88 Cor. + 3 Depth 91

Shot or lead 25 lb

Bottom 57.5 fm gy S.

Bottom temperature 51.5

No. of Thermometer 80366 Cor.

Corrected temperature 57.5

Air 57 Surface 58 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

| P. M.    | DOWN. | UP.      |
|----------|-------|----------|
| 12.20    |       | 12.23.50 |
| 12.21.30 |       | 12.21.40 |

TURNS.

- 0
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400

DREDGE ROPE.

| DOWN. | UP. |
|-------|-----|
|-------|-----|



|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

507

No. 1734 Date Feb-6 1899  
Tanner Machine. Reel.

Turns 47 Cor. + 2 Depth 49

Shot or lead 25 lbs.

Bottom gy S

Bottom temperature 55.8

No. of Thermometer 30306 Cor. ± 0

Corrected temperature 55.8

Air 57 Surface 58 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |         | TURNS. | DREDGE ROPE. |     |
|----------------|---------|--------|--------------|-----|
| DOWN.          | UP.     |        | DOWN.        | UP. |
| 12-34-0        | 12-46-0 | 0      |              |     |
|                |         | 100    |              |     |
|                |         | 200    |              |     |
|                |         | 300    |              |     |
|                |         | 400    |              |     |
|                |         | 500    |              |     |
|                |         | 600    |              |     |
|                |         | 700    |              |     |
|                |         | 800    |              |     |
|                |         | 900    |              |     |
|                |         | 1000   |              |     |
|                |         | 1100   |              |     |
|                |         | 1200   |              |     |
|                |         | 1300   |              |     |
|                |         | 1400   |              |     |
|                |         | 1500   |              |     |
|                |         | 1600   |              |     |
|                |         | 1700   |              |     |
|                |         | 1800   |              |     |
|                |         | 1900   |              |     |
|                |         | 2000   |              |     |
|                |         | 2100   |              |     |
|                |         | 2200   |              |     |
|                |         | 2300   |              |     |
|                |         | 2400   |              |     |

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

W 1807

No. 1735 Date Oct 10 1881

Machine. Reel.

Turns 46 Cor. + 2 Depth 48

Shot or lead 25 lb

Bottom gy S. bk sh.

Bottom temperature 56.

No. of Thermometer 30306 Cor.  $\pm 0$

Corrected temperature 56

Air 57 Surface 58 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |          | TURNS. | DREDGE ROPE. |     |
|----------------|----------|--------|--------------|-----|
| P. M.          | DOWN.    |        | DOWN.        | UP. |
|                | 12.45.00 | 0      |              |     |
|                | 12.46.30 | 100    |              |     |
|                |          | 200    |              |     |
|                |          | 300    |              |     |
|                |          | 400    |              |     |
|                |          | 500    |              |     |
|                |          | 600    |              |     |
|                |          | 700    |              |     |
|                |          | 800    |              |     |
|                |          | 900    |              |     |
|                |          | 1000   |              |     |
|                |          | 1100   |              |     |
|                |          | 1200   |              |     |
|                |          | 1300   |              |     |
|                |          | 1400   |              |     |
|                |          | 1500   |              |     |
|                |          | 1600   |              |     |
|                |          | 1700   |              |     |
|                |          | 1800   |              |     |
|                |          | 1900   |              |     |
|                |          | 2000   |              |     |
|                |          | 2100   |              |     |
|                |          | 2200   |              |     |
|                |          | 2300   |              |     |
|                |          | 2400   |              |     |

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. *1732* Date *Feb 6<sup>th</sup> 1889**Sigsbee* Machine. Reel.Turns *40* Cor. + *2* Depth *42*~~Shot or lead~~ *25 lb*Bottom *wh. S. G. brk. S. h.*Bottom temperature *55.5*No. of Thermometer *20306* Cor. *-*Corrected temperature *55.5*Air *57* Surface *58* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

| SOUNDING WIRE.  |                 | TURNS. | DREDGE ROPE. |     |
|-----------------|-----------------|--------|--------------|-----|
| P.M.            | DOWN.           |        | DOWN.        | UP. |
| <i>12.53.50</i> | <i>12.56.30</i> | 0      |              |     |
| <i>12.54.30</i> | <i>12.55.30</i> | 100    |              |     |
|                 |                 | 200    |              |     |
|                 |                 | 300    |              |     |
|                 |                 | 400    |              |     |
|                 |                 | 500    |              |     |
|                 |                 | 600    |              |     |
|                 |                 | 700    |              |     |
|                 |                 | 800    |              |     |
|                 |                 | 900    |              |     |
|                 |                 | 1000   |              |     |
|                 |                 | 1100   |              |     |
|                 |                 | 1200   |              |     |
|                 |                 | 1300   |              |     |
|                 |                 | 1400   |              |     |
|                 |                 | 1500   |              |     |
|                 |                 | 1600   |              |     |
|                 |                 | 1700   |              |     |
|                 |                 | 1800   |              |     |
|                 |                 | 1900   |              |     |
|                 |                 | 2000   |              |     |
|                 |                 | 2100   |              |     |
|                 |                 | 2200   |              |     |
|                 |                 | 2300   |              |     |
|                 |                 | 2400   |              |     |

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

W 607

No. 2943 Drag Date Feb 6 1881

Tanner Machine. Reel.

Turns 30 Cor. + 1 Depth 31

Shot or lead 25

Bottom Rky.

Bottom temperature 56

No. of Thermometer 31306 Cor. ± 0

Corrected temperature 56

Air 58 Surface 59 Drift. SSE 1/8 mi

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

P.m. 1.8.30  
19.30  
T. 4.43 P.m.  
Catfish

1.90.00

19.40

2.40  
2.40

Black  
B. R. R. R.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

1.10.00 1.21.30

1.13.30

1.15.30 1.19.30

2/6

Black



|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       | 57           | -.2  |            |
| 300    |       | 58           | -.1  |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 2947 Date Jan 6<sup>th</sup> 1881

Tanner Machine. Reel.

Turns 29 Cor. + 1 Depth 30

Shot or lead 25 lb

Bottom Rky.

Bottom temperature ~~66.6~~

No. of Thermometer 30306 Cor.

Corrected temperature

Air 58 Surface 59 Drift. S. W. x N.  $\frac{1}{4}$  E.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

1.25.30

1.28.00

0

1.26.30

1.48.30

1.26.00

1.28.00

100

1.30.00

1.45.00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

W 609 14

No. 2945 Date Dec 6 1881

Tanner Machine. Reel.

Turns 29 Cor. + 1 Depth 30

Shot or lead 29

Bottom R

Bottom temperature 65

No. of Thermometer 30306 Cor.

Corrected temperature

Air 58 Surface 59 Drift. S W x W 1/2 W. 1/2

Trawl or dredge or tangles

| SOUNDING WIRE. |         | TURNS. | DREDGE ROPE. |         |
|----------------|---------|--------|--------------|---------|
| DOWN.          | UP.     |        | DOWN.        | UP.     |
| 9.55.0         | 2.7.00  | 0      | 2.34.00      | 2.52.30 |
| 2.55.40        | 2.55.50 | 60     | 2.36.30      |         |
|                |         | 100    | 2.40.0       |         |
|                |         | 200    |              |         |
|                |         | 300    | 2.41.00      |         |
|                |         | 400    |              |         |
|                |         | 500    |              |         |
|                |         | 600    |              |         |
|                |         | 700    |              |         |
|                |         | 800    |              |         |
|                |         | 900    |              |         |
|                |         | 1000   |              |         |
|                |         | 1100   |              |         |
|                |         | 1200   |              |         |
|                |         | 1300   |              |         |
|                |         | 1400   |              |         |
|                |         | 1500   |              |         |
|                |         | 1600   |              |         |
|                |         | 1700   |              |         |
|                |         | 1800   |              |         |
|                |         | 1900   |              |         |
|                |         | 2000   |              |         |
|                |         | 2100   |              |         |
|                |         | 2200   |              |         |
|                |         | 2300   |              |         |
|                |         | 2400   |              |         |

at 2.0.

at 2.00

Trashed with Nam. 228 P.M.

Catch.

3 Red Rock Fish

1 Fat Head.

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

Dredge

No. 2946

Date

Feb 6<sup>th</sup> 1889

Machine.

Reel.

Turns 145 Cor. + 5

Depth 150

~~Shot or lead~~ 25 lb

Bottom on gy S

Bottom temperature 56.3

No. of Thermometer 30306 Cor.  $\pm 0$ 

Corrected temperature 56.5

Air 60 Surface 59 Drift  $\frac{2}{10}$  NE  $\frac{1}{2}$  N.

Trawl or dredge or tangles large stones

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

|         |         |      |         |         |
|---------|---------|------|---------|---------|
| 3.15.30 | 3.16.30 | 0    | 3.28.20 | 3.30.00 |
| 5.16.10 | 3.17.30 | 100  | 3.29.00 | 3.31.00 |
| 3.16.30 | 3.16.40 | 200  | 3.30.00 | 3.45.30 |
|         |         | 300  | 3.35.00 | 3.41.30 |
|         |         | 400  |         |         |
|         |         | 500  |         |         |
|         |         | 600  |         |         |
|         |         | 700  |         |         |
|         |         | 800  |         |         |
|         |         | 900  |         |         |
|         |         | 1000 |         |         |
|         |         | 1100 |         |         |
|         |         | 1200 |         |         |
|         |         | 1300 |         |         |
|         |         | 1400 |         |         |
|         |         | 1500 |         |         |
|         |         | 1600 |         |         |
|         |         | 1700 |         |         |
|         |         | 1800 |         |         |
|         |         | 1900 |         |         |
|         |         | 2000 |         |         |
|         |         | 2100 |         |         |
|         |         | 2200 |         |         |
|         |         | 2300 |         |         |
|         |         | 2400 |         |         |

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. *27* Date *Jan 21 1880*  
*Tanner* Machine. Reel.

Turns *262* Cor. + *7* Depth *269*

Shot or lead *25 lb*

Bottom *gy S. b. brk Sh.*

Bottom temperature *55.7*?

No. of Thermometer *50306* Cor.  $\pm 0$

Corrected temperature *55.7*

Air *59* Surface *59* Drift.  $\frac{1}{3}$  m S *m*

Trawl or dredge or tangles *Large beam.*

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

| P. M.          | DOWN. | UP.          |             | DOWN.          | UP.            |
|----------------|-------|--------------|-------------|----------------|----------------|
| <i>1.25.00</i> |       | <i>44.10</i> | <i>0</i>    | <i>1.44.00</i> | <i>21.05</i>   |
| <i>37.10</i>   |       | <i>42.40</i> | <i>100</i>  | <i>47.10</i>   | <i>10.40</i>   |
| <i>3.30</i>    |       | <i>41.20</i> | <i>200</i>  | <i>51.40</i>   | <i>16.15</i>   |
|                |       |              | <i>300</i>  | <i>54.30</i>   | <i>14.00</i>   |
|                |       |              | <i>400</i>  | <i>57.50</i>   | <i>11.00</i>   |
|                |       |              | <i>500</i>  | <i>2.00.50</i> | <i>2.08.00</i> |
|                |       |              | <i>600</i>  |                |                |
|                |       |              | <i>700</i>  |                |                |
|                |       |              | <i>800</i>  |                |                |
|                |       |              | <i>900</i>  |                |                |
|                |       |              | <i>1000</i> |                |                |
|                |       |              | <i>1100</i> |                |                |
|                |       |              | <i>1200</i> |                |                |
|                |       |              | <i>1300</i> |                |                |
|                |       |              | <i>1400</i> |                |                |
|                |       |              | <i>1500</i> |                |                |
|                |       |              | <i>1600</i> |                |                |
|                |       |              | <i>1700</i> |                |                |
|                |       |              | <i>1800</i> |                |                |
|                |       |              | <i>1900</i> |                |                |
|                |       |              | <i>2000</i> |                |                |
|                |       |              | <i>2100</i> |                |                |
|                |       |              | <i>2200</i> |                |                |
|                |       |              | <i>2300</i> |                |                |
|                |       |              | <i>2400</i> |                |                |

*Net for 100 fms*  
*1 hr. 10*



|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 748 Date Feb. 7 1889

Tanner Machine. Reel.

Turns 259 Cor. + 7 Depth 266Shot or lead 25 lbs.Bottom gy. S. G. bk. Sh.Bottom temperature 55.7No. of Thermometer 50306 Cor.

Corrected temperature

Air 59 Surface 59 Drift. 7/4 m. S m. 200

Trawl or dredge or tangles

| SOUNDING WIRE. |       | TURNS. | DREDGE ROPE. |        |
|----------------|-------|--------|--------------|--------|
| DOWN.          | UP.   |        | DOWN.        | UP.    |
| 22.30          | 30.50 | 0      | 2.27.20      | 22.40. |
| 23.10          | 28.00 | 100    | 31.25        | 20.15  |
| 24.00          | 26.10 | 200    | 35.30        | 17.40  |
|                |       | 300    |              | 15.00  |
|                |       | 400    |              | 12.00  |
|                |       | 500    |              | 09.30  |
|                |       | 540    |              | 06.00  |
|                |       | 600    |              |        |
|                |       | 700    |              |        |
|                |       | 800    |              |        |
|                |       | 900    |              |        |
|                |       | 1000   |              |        |
|                |       | 1100   |              |        |
|                |       | 1200   |              |        |
|                |       | 1300   |              |        |
|                |       | 1400   |              |        |
|                |       | 1500   |              |        |
|                |       | 1600   |              |        |
|                |       | 1700   |              |        |
|                |       | 1800   |              |        |
|                |       | 1900   |              |        |
|                |       | 2000   |              |        |
|                |       | 2100   |              |        |
|                |       | 2200   |              |        |
|                |       | 2300   |              |        |
|                |       | 2400   |              |        |

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

2909

Date

July 11/17

Danner

Machine.

Reel.

Turns 150 Cor. +

5

Depth

155

Shot or lead

25 lbs

Bottom

fine gy S.

Bottom temperature

did not cap

No. of Thermometer

50306

Cor.

Corrected temperature

none

Air

59

Surface

58

Drift.

31

4 m N by S

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

4-32-0

36-0

34-0

34-50

11-51-0

## TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

## DREDGE ROPE.

DOWN.

UP.

1-10-0

5-10-0

2-10-0

5-50

3-10-0

5-20-0

4-10-0

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

#### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 075-0 Dec, Date *P. 6. 8. 1881**Tanner* Machine. Reel.

Turns 20 Cor. + 1 Depth 21

~~Shot or lead~~ 25 lbBottom *gy S. bk sh.*

Bottom temperature 55.4 ?

No. of Thermometer 50306 Cor.  $\pm 0$ 

Corrected temperature 55.4

Air 61 Surface 57 Drift NEXE *1 mile*Trawl or dredge or tangles *Large beam*

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

|         |         |      |         |         |
|---------|---------|------|---------|---------|
| 6.14.30 | 6.15.30 | 0    | 6.26.30 | 6.43.30 |
| 6.25.00 | 6.25.30 | 100  | 6.29.00 | 6.45.   |
|         |         | 200  |         |         |
|         |         | 300  |         |         |
|         |         | 400  |         |         |
|         |         | 500  |         |         |
|         |         | 600  |         |         |
|         |         | 700  |         |         |
|         |         | 800  |         |         |
|         |         | 900  |         |         |
|         |         | 1000 |         |         |
|         |         | 1100 |         |         |
|         |         | 1200 |         |         |
|         |         | 1300 |         |         |
|         |         | 1400 |         |         |
|         |         | 1500 |         |         |
|         |         | 1600 |         |         |
|         |         | 1700 |         |         |
|         |         | 1800 |         |         |
|         |         | 1900 |         |         |
|         |         | 2000 |         |         |
|         |         | 2100 |         |         |
|         |         | 2200 |         |         |
|         |         | 2300 |         |         |
|         |         | 2400 |         |         |

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

117  
507

No. 29513 Date Feb 8 1887

Tanner Machine. Reel.

Turns 46 Cor. + 2 Depth 48

Shot or lead 25 lb

Bottom fine gy S.

Bottom temperature 56.9

No. of Thermometer 50306 Cor.

Corrected temperature

Air 57 Surface 56 Drift. SW 1/2 S. (mag) 3/4 mile

Trawl or dredge or tangles Large beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

|         |         |      |         |         |
|---------|---------|------|---------|---------|
| 736.00  | 7.39.00 | 0    | 7.41.00 | 8.10.30 |
| 7.36.30 | 7.38.00 | 100  | 7.43.00 | 8.6.00  |
|         |         | 150  | 7.47.00 | 8.3.00  |
|         |         | 200  |         |         |
|         |         | 300  |         |         |
|         |         | 400  |         |         |
|         |         | 500  |         |         |
|         |         | 600  |         |         |
|         |         | 700  |         |         |
|         |         | 800  |         |         |
|         |         | 900  |         |         |
|         |         | 1000 |         |         |
|         |         | 1100 |         |         |
|         |         | 1200 |         |         |
|         |         | 1300 |         |         |
|         |         | 1400 |         |         |
|         |         | 1500 |         |         |
|         |         | 1600 |         |         |
|         |         | 1700 |         |         |
|         |         | 1800 |         |         |
|         |         | 1900 |         |         |
|         |         | 2000 |         |         |
|         |         | 2100 |         |         |
|         |         | 2200 |         |         |
|         |         | 2300 |         |         |
|         |         | 2400 |         |         |



|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

#### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. *2152* Date *Feb 8 1889*  
*Tanner* Machine. Reel.

Turns *55* Cor. + *2* Depth *57*

~~Shot or lead~~ *25 lbs.*

Bottom *bk Sh R -*

Bottom temperature *none*

No. of Thermometer *50306* Cor.

Corrected temperature *none*

Air *57* Surface *57* Drift. *none*

Trawl or dredge or tangles *2 3/4 fms*

## SOUNDING WIRE.

A. M. DOWN.

UP.

*8. 48. 00* *50. 20*

## TURNS.

0

100

*155*~~200~~

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

## DREDGE ROPE.

A. M. DOWN.

UP.

*8. 50* *18. 00*

*58. 20* *11. 00*

*9. 00. 30* *1. 00. 00*

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

Lat. <sup>47</sup> B

No.

2952

Date

Feb 8 1887

Tanner

Machine.

Reel.

Turns

79

Cor. +

3

Depth

82

~~Shot or~~ lead

25 lbs

Bottom

S brk sh

Bottom temperature

55.7 2

No. of Thermometer

50306

Cor.

Corrected temperature

Air

57

Surface

57

Drift.  $\frac{1}{2}$  m. S W & W~~Trawl or dredge or tangles~~

Ship's

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

9. 35. 40

38.20

0

9. 40. 00

59.20

100

44.30

57.00

~~150~~  
~~200~~

45.30

55.30

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Sinker. Lgt. the ship at 10.00 and returned at 11.40

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. *16172* Date *Feb. 8 1889*  
*Tanner* Machine. Reel.

Turns *67* Cor. + *3* Depth *70*

~~Shot or lead~~ *25 lbs*

Bottom *P.*

Bottom temperature *55.8 ?*

No. of Thermometer *50306* Cor.

Corrected temperature

Air *5* Surface *57* Drift.

~~Trawl or dredge or tangles~~

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

| SOUNDING WIRE.          |              | TURNS. | DREDGE ROPE. |     |
|-------------------------|--------------|--------|--------------|-----|
| DOWN.                   | UP.          |        | DOWN.        | UP. |
| <i>A. N. 10. 21. 55</i> | <i>24.00</i> | 0      |              |     |
|                         |              | 100    |              |     |
|                         |              | 200    |              |     |
|                         |              | 300    |              |     |
|                         |              | 400    |              |     |
|                         |              | 500    |              |     |
|                         |              | 600    |              |     |
|                         |              | 700    |              |     |
|                         |              | 800    |              |     |
|                         |              | 900    |              |     |
|                         |              | 1000   |              |     |
|                         |              | 1100   |              |     |
|                         |              | 1200   |              |     |
|                         |              | 1300   |              |     |
|                         |              | 1400   |              |     |
|                         |              | 1500   |              |     |
|                         |              | 1600   |              |     |
|                         |              | 1700   |              |     |
|                         |              | 1800   |              |     |
|                         |              | 1900   |              |     |
|                         |              | 2000   |              |     |
|                         |              | 2100   |              |     |
|                         |              | 2200   |              |     |
|                         |              | 2300   |              |     |
|                         |              | 2400   |              |     |

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

Sut. 13.

No.

2954

Date

Feb. 8<sup>th</sup> 1889

Tanner

Machine.

Reel.

Turns 63

Cor. + 2

Depth 65

~~Shot or lead~~ 25 lb

Bottom G. Sh. R.

Bottom temperature Ther. did not capsize

No. of Thermometer 50306 Cor.

Corrected temperature *none*

Air 58

Surface 57

Drift.

~~Trawl or dredge or tangles~~ Ship's

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

10. 40. 20

42. 20

0

10. 45. 00 11. 01. 40

100

48. 20

58. 20

150

50. 35

56. 50

~~200~~

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

Date

Machine. Reel.

Turns 117 Cor. + 4 Depth 12

Shot or lead 25 lbs

Bottom fine gy. S &amp; brk S L. A. L.

Bottom temperature 48.2

No. of Thermometer 61588 Cor.  $\pm 0$ 

Corrected temperature 48.2

Air 60 Surface 59 Drift.  $\frac{3}{10}$  No. 24

Trawl or dredge or tangles Small

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

12-11-0

0

12-11-0

12-0

12-12-0

100 17

12-12-0

200

12-12-0

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. *1111*Date *Aug 1*

Machine.

Reel. (

Turns *254* Cor. + *7*Depth *261*Shot or lead *35 lbs.*Bottom *Rky-*Bottom temperature *14.2*No. of Thermometer *61588* Cor.Corrected temperature *74.0*Air *57* Surface *57* Drift.Trawl or dredge or tangles *—*

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*1-20-51**1-20-51*

0

*20-0**20-0*

100

*21-0**1-20-51*

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. *77154* Date *July 10/04*

Machine. Reel.

Turns *188* Cor. + *6* Depth *194*Shot or lead *25 lbs.*Bottom *gy S*Bottom temperature *46.7*No. of Thermometer *61588* Cor.  $\pm 0$ Corrected temperature *46.7*Air *58* Surface *58* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*30**15-0**0**1-30**100**1-0**11-30**200**300**400**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400*

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

1140

Date

Dec 1

Machine.

Reel.

Turns 120

Cor. +

4

Depth

124

Shot or lead

Bottom

fine gy S

Bottom temperature

No. of Thermometer

61580

Cor. = 0

Corrected temperature

48.8

Air

58

Surface

58

Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

Date

Machine.

Reel.

Turns 50 Cor. +

Depth 50

Shot or lead 25 lbs.

Bottom

fine gy S. R

Bottom temperature

53.1

No. of Thermometer 6158

Cor.  $\pm 0$ 

Corrected temperature 53.1

Air

00

Surface

58

Drift 1/10 mi S W by N

Trawl or dredge or tangles

S. W. SOUNDING WIRE.

DOWN.

UP.

12-0

0

TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

S. W. DREDGE ROPE.

DOWN.

UP.

18-30

22-1

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. *11415* Date *July 1, 1881**Clamnet* Machine. Reel. *6*Turns *29* Cor. + *1* Depth *30*Shot or lead *25 lbs*Bottom *fine sand*Bottom temperature *57*No. of Thermometer *61568* Cor. *± 0*Corrected temperature *56*Air *58* Surface *58* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*3-55-0**3-56-30*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

#### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 1742 Nym Date of 9

| Roll | Machine. | Reel. |
|------|----------|-------|
| 1    |          |       |
| 2    |          |       |
| 3    |          |       |
| 4    |          |       |
| 5    |          |       |
| 6    |          |       |
| 7    |          |       |
| 8    |          |       |
| 9    |          |       |
| 10   |          |       |
| 11   |          |       |
| 12   |          |       |
| 13   |          |       |
| 14   |          |       |
| 15   |          |       |
| 16   |          |       |
| 17   |          |       |
| 18   |          |       |
| 19   |          |       |
| 20   |          |       |
| 21   |          |       |
| 22   |          |       |
| 23   |          |       |
| 24   |          |       |
| 25   |          |       |
| 26   |          |       |
| 27   |          |       |
| 28   |          |       |
| 29   |          |       |
| 30   |          |       |
| 31   |          |       |
| 32   |          |       |
| 33   |          |       |
| 34   |          |       |
| 35   |          |       |
| 36   |          |       |
| 37   |          |       |
| 38   |          |       |
| 39   |          |       |
| 40   |          |       |
| 41   |          |       |
| 42   |          |       |
| 43   |          |       |
| 44   |          |       |
| 45   |          |       |
| 46   |          |       |
| 47   |          |       |
| 48   |          |       |
| 49   |          |       |
| 50   |          |       |
| 51   |          |       |
| 52   |          |       |
| 53   |          |       |
| 54   |          |       |
| 55   |          |       |
| 56   |          |       |
| 57   |          |       |
| 58   |          |       |
| 59   |          |       |
| 60   |          |       |
| 61   |          |       |
| 62   |          |       |
| 63   |          |       |
| 64   |          |       |
| 65   |          |       |
| 66   |          |       |
| 67   |          |       |
| 68   |          |       |
| 69   |          |       |
| 70   |          |       |
| 71   |          |       |
| 72   |          |       |
| 73   |          |       |
| 74   |          |       |
| 75   |          |       |
| 76   |          |       |
| 77   |          |       |
| 78   |          |       |
| 79   |          |       |
| 80   |          |       |
| 81   |          |       |
| 82   |          |       |
| 83   |          |       |
| 84   |          |       |
| 85   |          |       |
| 86   |          |       |
| 87   |          |       |
| 88   |          |       |
| 89   |          |       |
| 90   |          |       |
| 91   |          |       |
| 92   |          |       |
| 93   |          |       |
| 94   |          |       |
| 95   |          |       |
| 96   |          |       |
| 97   |          |       |
| 98   |          |       |
| 99   |          |       |
| 100  |          |       |

Turns 42 Cor. + 2

Depth 44

~~Shot or lead~~ 2 5. 1. 1.

Bottom R

Bottom temperature 2 m.

No. of Thermometer 61581 Cor. 1.20

Corrected temperature

Air 59 Surface 67 Drift.

*Trawl or dredge or tangles*

| SOUNDING WIRE. |         | TURNS. | DREDGE ROPE. |     |
|----------------|---------|--------|--------------|-----|
| DOWN.          | UP.     |        | DOWN.        | UP. |
| 758.00         | 8.0.35  | 0      |              |     |
| 758.40         | 7.59.20 | 100    |              |     |
|                |         | 200    |              |     |
|                |         | 300    |              |     |
|                |         | 400    |              |     |
|                |         | 500    |              |     |
|                |         | 600    |              |     |
|                |         | 700    |              |     |
|                |         | 800    |              |     |
|                |         | 900    |              |     |
|                |         | 1000   |              |     |
|                |         | 1100   |              |     |
|                |         | 1200   |              |     |
|                |         | 1300   |              |     |
|                |         | 1400   |              |     |
|                |         | 1500   |              |     |
|                |         | 1600   |              |     |
|                |         | 1700   |              |     |
|                |         | 1800   |              |     |
|                |         | 1900   |              |     |
|                |         | 2000   |              |     |
|                |         | 2100   |              |     |
|                |         | 2200   |              |     |
|                |         | 2300   |              |     |
|                |         | 2400   |              |     |

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. *1743* Date *Feb 9**S. Machine. Reel.*Turns *39* Cor. + *2* Depth *41*Shot or lead *25 lbs*

Bottom

Bottom temperature *54.4*No. of Thermometer *61588* Cor.Corrected temperature *54.9*Air *66* Surface *57* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*11. 56. 50**57.10*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. *H. 1744* Date *Feb 9<sup>th</sup> 1881**Tanner* Machine. Reel.Turns *35* Cor. + *1* Depth *36*Shot or lead *25 lbs*Bottom *R*Bottom temperature *55*No. of Thermometer *61588* Cor.  $\pm$  *0*Corrected temperature *55*Air *66* Surface *57* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

*1. M.*  
*9. 15. 00*

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 76 1745 Date Feb 9<sup>th</sup> 18.

Tanner Machine. Reel.

Turns 40 Cor. + 2 Depth 42~~Shot or lead~~ 25 lbsBottom G. brk. Sh.Bottom temperature 53.9No. of Thermometer 61588 Cor. ± 0Corrected temperature 53.9Air 66 Surface 57 Drift.~~Trawl or dredge or tangles~~

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

A.M.

7 57.30

11 50

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

*Lat. 12*No. *76* 1746 Date *Feb. 9*

Tanner Machine. Reel.

Turns *38* Cor. + *2* Depth *40*~~Shot~~ or lead *25-lb*Bottom *gy. S.*Bottom temperature *54.4*No. of Thermometer *61588* Cor.  $\pm$  *0.3*Corrected temperature *54.4*Air *66* Surface *57* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*A.M. 10.02.15**03.30**0**100**200**300**400**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400**Went down at 12.15 and returned at 1.15**Put down 10 fishing  
caught nothing.  
Fished 9 min.*

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. *6* 1747 Date *Feb 9* 1881

Tanner Machine. Reel.

Turns *33* Cor. + *1* Depth *34*Shot or lead *25 lbs*Bottom *brk. sh. R.*Bottom temperature *54.4*No. of Thermometer *61588* Cor.  $\pm 0$ Corrected temperature *54.4*Air *66* Surface *57* Drift.~~Trawl or dredge or tangles~~

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*A.M.**10.18.00**19.20**0**100**200**300**400**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400**Part over 15 fishing  
Can not**Black Rock Cor. 48'**Red Rock Fish 49'**Sh. down Tail 23'**Altus Cor. 2'**Fished 1:50*



|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

2957

Date

Machine.

Reel.

Turns 25 Cor. + 1 Depth 26

Shot or lead

Bottom

Bottom temperature

No. of Thermometer

Cor.

Corrected temperature

Air

Surface

Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

50  
0

12-34

46-25

100

12-43-30

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

- Same as 2957.

507

No.

2958

Date

Feb. 9<sup>th</sup> 89

Hammer

Machine.

Reel.

Turns 25 Cor. +

1

Depth

26

Shot or lead

25

Bottom

gy S

Bottom temperature

54.2

No. of Thermometer

61588

Cor.

± 0

Corrected temperature

54.9

Air

63

Surface

58

Drift.

1/4 SE 1/2 E

Trawl or dredge or tangles

14 1/2 W x W

1/2 W

SOUNDING WIRE.

DOWN.

UP.

TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

DOWN.

UP.

12-11-25

1-1-25

12-26

12-25

1-16-30

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

215

Date

11/1/17

Machine.

Reel.

Turns

53

Cor. +

2

Depth

55

Shot or lead

25 lbs.

Bottom

gy. m. gy. S. y.

Bottom temperature

51.9

No. of Thermometer

61588

Cor.  $\pm 0$ 

Corrected temperature

51.9

Air

63

Surface

60

Drift.

m. 4.5

Trawl or dredge or tangles

Large beam

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

1-45-0

1-4-30

0

1-48-0

4-6-0

1-46-30

100

52-30

200

300

3-

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

2960

Date

July 9/09

Tanner

Machine.

Reel.

Turns 260 Cor. +

7

Depth

267

Shot or lead 25 lbs.

Bottom gn m

Bottom temperature 48

No. of Thermometer 61588 Cor.  $\pm 0$ 

Corrected temperature 48

Air 63 Surface 59 Drift. 1 m N 1/8 S.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

P.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

260 300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

W 1507

No. 2261 Date July 11 1881

Tanner Machine. Reel.

Turns 20 Cor. + 1 Depth 21

Shot or lead

Bottom ~~fine sand~~ fine m

Bottom temperature

No. of Thermometer

Cor. } 2 m

Corrected temperature

Air 53 Surface 53 Drift. 0.4 N <sup>3</sup>/<sub>4</sub> W

Trawl or dredge or tangles ~~La~~ ~~B~~

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7.30

7.31

7.31.30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

7.34.50 7.48.00

7.36.00 7.46.30

a.m.

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 1748 Date Feb 11

Machine Reel

Turns Cor. + Depth 13

Shot or lead

Bottom Cor. + sponge

Bottom temperature

No. of Thermometer Cor. } time

Corrected temperature

Air Surface Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

Am  
7-49

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

W 1607

No. 2962

Date

Feb 11

Machine.

Reel.

Turns

Cor. +

Depth 16.2

Shot or lead

None

Bottom

S. St. Co.

Bottom temperature

None

No. of Thermometer

None Cor.

Corrected temperature

Air

62

Surface

69

Drift.

0.3

S 1/4 E

Trawl or dredge or tangles

Large 18 m

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

8.4.30

8.12.00

100

8.6.30

8.5.30

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 963

Date

Dec 11 1899

Machine. Reel.

Turns Cor. + Depth 20

Shot or lead Hand lead.

Bottom S. ft. Co.

Bottom temperature none

No. of Thermometer none Cor.

Corrected temperature none

Air 68 Surface 59 Drift.  $\frac{1}{2}$  m S W & S~~Trawl or dredge or tangles~~

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

8.16.30

34.10

100

8.20.00

33.15

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 16

Date Feb. 11<sup>th</sup> 1887

Machine.

Reel.

Turns

Cor. +

Depth 22

Shot or lead

Bottom M.

Bottom temperature none

No. of Thermometer none Cor.

Corrected temperature none

Air 62 Surface 59 Drift.

~~Trawl or dredge or tangles~~

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

21.5

Shot or lead

hand lead

Bottom

S. st.

Bottom temperature

none

No. of Thermometer

none

Cor.

Corrected temperature

none

Air

62

Surface

57

Drift

3 1/2 E

~~Trawl or dredge or tangles~~

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

8. 46.00

47.00

0

8 47.00

1.00

100

48.30 9.5.00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. *H. 1750* Date *Feb 11 186*

Machine. Reel.

Turns Cor. + Depth *13 1/2*Shot or lead *Hand Lead*Bottom *M*Bottom temperature *none*No. of Thermometer *none* Cor.Corrected temperature *none*Air *62* Surface *60* Drift.~~Trawl or dredge or tangles~~

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*A. J. G.**9.0500*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*H. 1757 - 13 fms  
hand lead used**Bottom M.**air 62. Surf 60*

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. *765* Date *Feb. 11" 1887*  
*Tanner* Machine. Reel.  
 Turns *26* Cor. *+ 1* Depth *27*  
~~Shot or lead~~ *25 lbs.*  
 Bottom *fine gy. S. R.*  
 Bottom temperature *58*  
 No. of Thermometer *61588* Cor. *± 0*  
 Corrected temperature *58*  
 Air *62* Surface *60* Drift. *1/4 m S 77*  
~~Trawl or dredge or tangles~~

| SOUNDING WIRE.        |       | TURNS. | DREDGE ROPE. |       |
|-----------------------|-------|--------|--------------|-------|
| DOWN.                 | UP.   |        | DOWN.        | UP.   |
| <i>N M</i><br>9.51.10 | 52.30 | 0      | 9.58.00      |       |
|                       |       | 100    | 10.00.40     | 10.20 |
|                       |       | 200    |              |       |
|                       |       | 300    |              |       |
|                       |       | 400    |              |       |
|                       |       | 500    |              |       |
|                       |       | 600    |              |       |
|                       |       | 700    |              |       |
|                       |       | 800    |              |       |
|                       |       | 900    |              |       |
|                       |       | 1000   |              |       |
|                       |       | 1100   |              |       |
|                       |       | 1200   |              |       |
|                       |       | 1300   |              |       |
|                       |       | 1400   |              |       |
|                       |       | 1500   |              |       |
|                       |       | 1600   |              |       |
|                       |       | 1700   |              |       |
|                       |       | 1800   |              |       |
|                       |       | 1900   |              |       |
|                       |       | 2000   |              |       |
|                       |       | 2100   |              |       |
|                       |       | 2200   |              |       |
|                       |       | 2300   |              |       |
|                       |       | 2400   |              |       |



|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. *26. 1752* Date *Feb. 11" 1889*

Machine. Reel.

Turns *25* Cor. + *1* Depth *26*~~Shot or lead~~ *25 lb*Bottom *7.*Bottom temperature *59*No. of Thermometer *61588* Cor.  $\pm 0$ Corrected temperature *59*Air *62* Surface *60* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

*10. 12. 50**13. 30*

## TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

## DREDGE ROPE.

DOWN.

UP.

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

966

Date

Feb. 11 1889

Machine.

Reel.

Turns 27

Cor. + 1

Depth 28

Shot or lead 25 lbs

Bottom

gy S. brk. sh.

Bottom temperature

No. of Thermometer 61588 Cor.  $\pm 0$ 

Corrected temperature 58.5

Air 62

Surface 60

Drift.  $\frac{5}{10}$  N  $\frac{1}{2}$  W  
mag.~~Trawl or dredge or tangles~~

## SOUNDING WIRE.

| DOWN.     | UP.    |
|-----------|--------|
| 0. 23. 15 | 24. 10 |

## TURNS.

0  
40  
400  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400

## DREDGE ROPE.

| DOWN.  | UP.    |
|--------|--------|
| 25. 00 | 52. 00 |
| 27. 30 | 0. 00  |

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 2967 Date Feb. 11  
Tanner Machine. Reel.

Turns 29 Cor. + 1 Depth 30

Shot or lead 25 lbs

Bottom crs. m.

Bottom temperature 57

No. of Thermometer 61588 Cor. -0

Corrected temperature 57

Air 62 Surface 60 Drift.  $\frac{3}{4}$  NE

~~Trawl or dredge or tangles~~

## SOUNDING WIRE.

DOWN.

UP.

4.16 10 50.30 51.40

TURNS.

## DREDGE ROPE.

DOWN.

UP.

10.50.00 18.30

11.00.00 17.00

0

50

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 2960 Date Feb. 11" 18

Machine. Reel.

Turns 30 Cor. + 1 Depth

~~Shot or lead~~ 25 lbs

Bottom m.

Bottom temperature  $5^{\circ}\text{C}$ No. of Thermometer 61588 Cor.  $\pm 0$ 

Corrected temperature 5.1°

Air 66 Surface 61 Drift.  $\frac{3}{4}$  m. S.E.

~~Trawl or dredge or tangles~~

| SOUNDING WIRE. |        | TURNS. | DREDGE ROPE. |     |
|----------------|--------|--------|--------------|-----|
| DOWN.          | UP.    |        | DOWN.        | UP. |
| 11. 17. 30     | 18. 40 | 0      |              |     |
|                |        | 100    |              |     |
|                |        | 200    |              |     |
|                |        | 300    |              |     |
|                |        | 400    |              |     |
|                |        | 500    |              |     |
|                |        | 600    |              |     |
|                |        | 700    |              |     |
|                |        | 800    |              |     |
|                |        | 900    |              |     |
|                |        | 1000   |              |     |
|                |        | 1100   |              |     |
|                |        | 1200   |              |     |
|                |        | 1300   |              |     |
|                |        | 1400   |              |     |
|                |        | 1500   |              |     |
|                |        | 1600   |              |     |
|                |        | 1700   |              |     |
|                |        | 1800   |              |     |
|                |        | 1900   |              |     |
|                |        | 2000   |              |     |
|                |        | 2100   |              |     |
|                |        | 2200   |              |     |
|                |        | 2300   |              |     |
|                |        | 2400   |              |     |



|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

507 *Jan 13*

No. *76.1753*

Date *Feb. 11. 1881*

*inner* Machine. Reel.

Turns *25* Cor. + *1*

Depth *26*

Shot or lead *25 lbs*

Bottom *gy. s. G.*

Bottom temperature *59*

No. of Thermometer *61588* Cor.  $\pm 0$

Corrected temperature *59*

Air *6.6* Surface *61* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

DREDGE ROPE.

DOWN.

UP.

TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

276

Date

Oct. 11 1877

Tanner

Machine.

Reel.

Turns 25 Cor. + 1

Depth 26

~~Shot or lead~~ 25 lbs

Bottom gy S. P. Sh.

Bottom temperature 58

No. of Thermometer 61588 Cor.  $\pm 0$ 

Corrected temperature 58

Air 66 Surface 61 Drift.  $\frac{1}{2}$  m. S~~Trawl or dredge or tangles~~

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

P.M. DOWN.

UP.

P.M. DOWN.

UP.

12. 05.30

06. 00

0

12. 05. 00 12. 28

~~50~~  
100

17.30 18. 00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

#### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 2470 Date March 11/81

Machine. Reel.

Turns 28 Cor. + 1 Depth 29

Shot or lead 35 lbs.

Bottom fine gy. S. & M.

Bottom temperature 59.1

No. of Thermometer 61588 Cor.  $\pm 0$

Corrected temperature 59.1

Air 63 Surface 61 Drift. 1/4 m N by N

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

2471

Date

February 11/84

net.

Machine.

Reel.

Turns 2.8 Cor. + 1 Depth 2.9

Shot or lead 35 lbs.

Bottom fine gy S M.

Bottom temperature 38.2

No. of Thermometer 21588 Cor. 0

Corrected temperature 38.5

Air 63 Surface 60 Drift.  $\frac{3}{4}$  m S x E

Trawl or dredge or tangles Large Benth.

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

1-3-20

1-11-30

0

1-17-30

81-15

100

21-15

1-27-30

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

2992

Date

February 11, 1897

Tanner

Machine.

Reel.

6

Turns 59

Cor. +

2

Depth

61

Shot or lead

25 lbs.

Bottom gn. m.

Bottom temperature

13.2

No. of Thermometer

61886

Cor.

± 0

Corrected temperature

53.5

Air

63

Surface

60

Drift. 1 m

N. S. W.

Trawl or dredge or tangles

Large Re

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

46-15

2-31-15

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

711754

Date

February 11/19.

Machine.

Reel.

Turns 65 Cor. + 3 Depth 68

Shot or lead 25 lbs.

Bottom fine sd.

Bottom temperature 53.5

No. of Thermometer 61588 Cor.  $\pm 0$ 

Corrected temperature 53.5

Air 63 Surface 60 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

Date

Machine.

Reel.

Turns 65 Cor. + 3

Depth 68

Shot or lead 25

Bottom an.

Bottom temperature 54

No. of Thermometer 61581 Cor.  $\pm 0$ 

Corrected temperature 54

Air 63 Surface 0 Drift.

Trawl or dredge or tangles Large Brand.

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

|        |       |        |        |       |        |
|--------|-------|--------|--------|-------|--------|
| 7.00   | DOWN. | UP.    | TURNS. | DOWN. | UP.    |
| 3-5-20 |       | 3-08-0 | 0      | 3-1-0 | 3-1-0  |
|        |       |        | 100    | 3-1-0 |        |
|        |       |        | 200    | 3-1-0 | 3-1-30 |
|        |       |        | 300    |       |        |
|        |       |        | 400    |       |        |
|        |       |        | 500    |       |        |
|        |       |        | 600    |       |        |
|        |       |        | 700    |       |        |
|        |       |        | 800    |       |        |
|        |       |        | 900    |       |        |
|        |       |        | 1000   |       |        |
|        |       |        | 1100   |       |        |
|        |       |        | 1200   |       |        |
|        |       |        | 1300   |       |        |
|        |       |        | 1400   |       |        |
|        |       |        | 1500   |       |        |
|        |       |        | 1600   |       |        |
|        |       |        | 1700   |       |        |
|        |       |        | 1800   |       |        |
|        |       |        | 1900   |       |        |
|        |       |        | 2000   |       |        |
|        |       |        | 2100   |       |        |
|        |       |        | 2200   |       |        |
|        |       |        | 2300   |       |        |
|        |       |        | 2400   |       |        |

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

Date

February 11/89

Tanner

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of Thermometer

Cor.  $\pm$  0

Corrected temperature

Air

Surface

Drift

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0 5-31-0

0

3-47 0

11-15-0

100

51

200

52

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

Date

Tanner

Machine.

Reel.

Turns 35 Cor. + 1

Depth 36

Shot or lead 25 lb

Bottom G. brk Sh.

Bottom temperature 57

No. of Thermometer 6588 Cor.

Corrected temperature

Air

Surface

Drift.

Trawl or dredge or tangles Large 15.

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

8. 39.30

20

8. 39.40

30.50

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

W 107

No. 1755 Date J 11

1 Panne Machine. Reel.

Turns 48 Cor. + 2 Depth 50

Shot or lead 25 lbs

Bottom gn M. R

Bottom temperature 54.8

No. of Thermometer 61588 Cor.  $\pm 0$

Corrected temperature 54.8

Air 63 Surface 60 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4.18.30 4.21.00

4.19.00 4.19.20

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|      |
|------|
| 2500 |
| 2600 |
| 2700 |
| 2800 |
| 2900 |
| 3000 |
| 3100 |
| 3200 |
| 3300 |
| 3400 |
| 3500 |
| 3600 |
| 3700 |
| 3800 |
| 3900 |
| 4000 |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. *2975* Date *Jan 2 1887**Reel* Machine. Reel.Turns *35* Cor. + *1* Depth *36*~~Shot or lead~~ *25 lb*Bottom *G. bk sh*Bottom temperature *57*No. of Thermometer *61588* Cor.  $\pm 0$ Corrected temperature *57*Air *65* Surface *60* Drift. / m *SE 3/4 E*Trawl or dredge or tangles *None*

## SOUNDING WIRE.

| DOWN.            | UP.           |
|------------------|---------------|
| <i>8. 51. 20</i> | <i>31. 20</i> |

## TURNS.

|      |
|------|
| 0    |
| 100  |
| 200  |
| 300  |
| 400  |
| 500  |
| 600  |
| 700  |
| 800  |
| 900  |
| 1000 |
| 1100 |
| 1200 |
| 1300 |
| 1400 |
| 1500 |
| 1600 |
| 1700 |
| 1800 |
| 1900 |
| 2000 |
| 2100 |
| 2200 |
| 2300 |
| 2400 |

## DREDGE ROPE.

| DOWN.            | UP.              |
|------------------|------------------|
| <i>8. 53. 45</i> | <i>35. 55</i>    |
|                  | <i>8. 58. 30</i> |

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

2976

Date

Feb. 12" 1889

Tanner

Machine.

Reel.

Turns 30 Cor. + 1

Depth 31

Shot or lead 25 lbs

Bottom crs gy S. brk Sh

Bottom temperature 58

No. of Thermometer 61588

Cor.  $\pm$ 

Corrected temperature 58

Air 65 Surface 60 Drift.  $\frac{1}{2}$  m 88 x 8

Trawl or dredge or tangles Sn all 13.00

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

1.17.30

18.25

0

15

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

9.25.00

25



|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

2977

Date

Feb 10 1880

Tanner

Machine.

Reel.

Turns 43 Cor. + 2

Depth 45

Shot or lead 25 lbs

Bottom fine gy S. + P.

Bottom temperature 56.5

No. of Thermometer 61588 Cor.

Corrected temperature 56.5

Air 65 Surface 60 Drift. 1/10 m. East

Trawl or dredge or tangles none

## SOUNDING WIRE.

a. m. DOWN. UP.

9. 52.10 53.20

## TURNS.

7 DOWN. UP.

0

55.01 21.

100

59.40

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

2978

Date

Feb 2 1881

Machine.

Machine.

Reel.

Turns 44 Cor. + 2

Depth 46

~~Shot or lead~~ 25 lbs

Bottom gyS

Bottom temperature 56.5

No. of Thermometer 61588

Cor.  $\pm 0$ 

Corrected temperature 56.5

Air 70

Surface 60

Drift, 3 mi. N 6 1/2 E

Trawl or dredge or tangles Small beam

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

|           |        |      |       |        |  |
|-----------|--------|------|-------|--------|--|
| 1. 716    |        |      |       |        |  |
| 10. 0. 25 | 14. 50 | 0    | 2. 42 | 15. 00 |  |
|           |        | 100  | 3. 00 | 0. 30  |  |
|           |        | 120  | 4. 30 |        |  |
|           |        | 200  |       |        |  |
|           |        | 300  |       |        |  |
|           |        | 400  |       |        |  |
|           |        | 500  |       |        |  |
|           |        | 600  |       |        |  |
|           |        | 700  |       |        |  |
|           |        | 800  |       |        |  |
|           |        | 900  |       |        |  |
|           |        | 1000 |       |        |  |
|           |        | 1100 |       |        |  |
|           |        | 1200 |       |        |  |
|           |        | 1300 |       |        |  |
|           |        | 1400 |       |        |  |
|           |        | 1500 |       |        |  |
|           |        | 1600 |       |        |  |
|           |        | 1700 |       |        |  |
|           |        | 1800 |       |        |  |
|           |        | 1900 |       |        |  |
|           |        | 2000 |       |        |  |
|           |        | 2100 |       |        |  |
|           |        | 2200 |       |        |  |
|           |        | 2300 |       |        |  |
|           |        | 2400 |       |        |  |

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

#### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

*Farmer*      *Machine.*      *Recl.*

Turns 50 Cor. + 2

Depth 5-2

~~Shot or lead~~ 25

Bottom 24 S.

Bottom temperature none

No. of Thermometer *none* Cor.

Corrected temperature none

Air 70 Surface 60 Drift. N 1/2 E .3

~~Trawl or dredge or tangles~~

| SOUNDING WIRE. |        | TURNS. | DREDGE ROPE. |     |
|----------------|--------|--------|--------------|-----|
| DOWN.          | UP.    |        | DOWN.        | UP. |
| 11. 13. 00     | 14. 30 | 0      |              |     |
|                |        | 100    |              |     |
|                |        | 200    |              |     |
|                |        | 300    |              |     |
|                |        | 400    |              |     |
|                |        | 500    |              |     |
|                |        | 600    |              |     |
|                |        | 700    |              |     |
|                |        | 800    |              |     |
|                |        | 900    |              |     |
|                |        | 1000   |              |     |
|                |        | 1100   |              |     |
|                |        | 1200   |              |     |
|                |        | 1300   |              |     |
|                |        | 1400   |              |     |
|                |        | 1500   |              |     |
|                |        | 1600   |              |     |
|                |        | 1700   |              |     |
|                |        | 1800   |              |     |
|                |        | 1900   |              |     |
|                |        | 2000   |              |     |
|                |        | 2100   |              |     |
|                |        | 2200   |              |     |
|                |        | 2300   |              |     |
|                |        | 2400   |              |     |

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

#### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. *16* Date *Feb 10 1889**Tanner* Machine. Reel.Turns *35* Cor. + *1* Depth *36*Shot or lead *25 lbs*Bottom *Co S. bk Sh.*Bottom temperature *none*No. of Thermometer *none* Cor.Corrected temperature *none*Air *70* Surface *60* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*9 m.**11.30**33.20**0*

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*Part ... 15 min*  
*4 ...*



|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

#### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No.

Date

Machine.

Reel.

Turns 360 Cor. + 28 Depth

Shot or lead 35 lbs.

Bottom G.W. M.

Bottom temperature

No. of Thermometer 11222 Cor.

Corrected temperature

Air 65 Surface 60 Drift 1 1/2 m S

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

DOWN.

UP.

12-15.0 23-30  
 16-15 27-30  
 17-15 31-30  
 18-30 35-30  
 19-10 12-19

TURNS.

DREDGE ROPE.

DOWN.

UP.

0  
 100  
 200  
 300  
 400  
 500  
 600  
 700  
 800  
 900  
 1000  
 1100  
 1200  
 1300  
 1400  
 1500  
 1600  
 1700  
 1800  
 1900  
 2000  
 2100  
 2200  
 2300  
 2400

12-15.0 23-30  
 16-15 27-30  
 17-15 31-30  
 18-30 35-30  
 19-10 12-19

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 2960, Date 11Machine. Reel.Turns 561 Cor. + 42 DepthShot or lead 35Bottom gy 711

Bottom temperature

No. of Thermometer 6 Cor. - 6Corrected temperature 38.9Air 40 Surface 62 Drift mill 1/2 EastTrawl or dredge or tangles large Beam

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

|      |        |      |       |         |
|------|--------|------|-------|---------|
|      | 37-31  | 0    |       | 5.13.30 |
| 5-50 | 36-30  | 100  | 42-30 | 59.30   |
|      |        | 200  | 46-30 | 5.6.30  |
|      |        | 300  |       |         |
|      |        | 400  |       |         |
| 0-45 | 33-41  | 500  |       | 4.5.00  |
|      | 3-33-0 | 600  |       |         |
|      |        | 700  |       | 4.3.00  |
|      |        | 800  |       | 4.1.00  |
|      |        | 900  |       | 4.15.00 |
|      |        | 1000 |       | 4.7.00  |
|      |        | 1100 |       | 4.5.00  |
|      |        | 1200 |       | 3.55.00 |
|      |        | 1300 |       |         |
|      |        | 1400 |       |         |
|      |        | 1500 |       |         |
|      |        | 1600 |       |         |
|      |        | 1700 |       |         |
|      |        | 1800 |       |         |
|      |        | 1900 |       |         |
|      |        | 2000 |       |         |
|      |        | 2100 |       |         |
|      |        | 2200 |       |         |
|      |        | 2300 |       |         |
|      |        | 2400 |       |         |

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

W.H. 507

No. 733 Date Oct 12<sup>th</sup> 1889

Signature Machine. \* Reel. 2

Turns 780 Cor. + 45- Depth 825-

~~Shot~~ or lead 35. 66

Bottom g. M.

Bottom temperature 40.5

No. of Thermometer 61588 Cor. ± 6

Corrected temperature 40.5

Air 67 Surface 61 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. |         | TURNS. | DREDGE ROPE. |     |
|----------------|---------|--------|--------------|-----|
| DOWN.          | UP.     |        | DOWN.        | UP. |
| 6. 7. 30       | 6.27.40 | 0      |              |     |
| 6. 10. 40      | 6.27.00 | 100    |              |     |
| 6. 11. 30      | 6.26.30 | 200    |              |     |
| 6. 12. 30      | 6.25.40 | 300    |              |     |
| 6. 13. 40      | 6.24.50 | 400    |              |     |
| 6. 14. 20      | 6.24.00 | 500    |              |     |
| 6. 15. 00      | 6.23.10 | 600    |              |     |
| 6. 16. 40      | 6.22.20 | 700    |              |     |
| 17. 00         | 6.21.30 | 800    |              |     |
|                |         | 900    |              |     |
|                |         | 1000   |              |     |
|                |         | 1100   |              |     |
|                |         | 1200   |              |     |
|                |         | 1300   |              |     |
|                |         | 1400   |              |     |
|                |         | 1500   |              |     |
|                |         | 1600   |              |     |
|                |         | 1700   |              |     |
|                |         | 1800   |              |     |
|                |         | 1900   |              |     |
|                |         | 2000   |              |     |
|                |         | 2100   |              |     |
|                |         | 2200   |              |     |
|                |         | 2300   |              |     |
|                |         | 2400   |              |     |

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. 1759 / Date July 12 1888

Machine. Reel.

Turns 857 Cor. + 60 Depth 917

Shot or lead 35 lb

Bottom g. n. M.

Bottom temperature 40.

No. of Thermometer 61588 Cor. + 0

Corrected temperature 40.

Air 64 Surface 61 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

|         |         |      |
|---------|---------|------|
| 7.15.00 | 7.31.30 | 0    |
| 7.16.00 | 7.30.30 | 100  |
| 7.17.30 | 7.32.00 | 200  |
| 7.18.30 | 7.31.00 | 300  |
| 7.19.40 | 7.29.00 | 400  |
| 7.21.00 | 7.28.30 | 500  |
| 7.22.30 | 7.27.00 | 600  |
| 7.24.00 | 7.25.00 | 700  |
| 7.25.00 | 7.24.00 | 800  |
| 7.26.40 | 7.23.00 | 900  |
|         |         | 1000 |
|         |         | 1100 |
|         |         | 1200 |
|         |         | 1300 |
|         |         | 1400 |
|         |         | 1500 |
|         |         | 1600 |
|         |         | 1700 |
|         |         | 1800 |
|         |         | 1900 |
|         |         | 2000 |
|         |         | 2100 |
|         |         | 2200 |
|         |         | 2300 |
|         |         | 2400 |



|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

No. *6. 1760* Date *Feb. 12 1887*  
*Sigsbee* Machine. *2* Reel.

Turns *840* Cor. + *59* Depth *897*

Shot or lead *35 lbs*

Bottom *gy. M.*

Bottom temperature *39.8*

No. of Thermometer *61588* Cor.  $\pm 0$

Corrected temperature *39.8*

Air *64* Surface *61* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

|                  |               |             |  |
|------------------|---------------|-------------|--|
| <i>R 712</i>     |               |             |  |
| <i>8. 21. 10</i> | <i>38. 15</i> | <i>0</i>    |  |
| <i>22. 10</i>    | <i>37. 35</i> | <i>100</i>  |  |
| <i>23. 00</i>    | <i>37. 00</i> | <i>200</i>  |  |
| <i>23. 50</i>    | <i>36. 15</i> | <i>300</i>  |  |
| <i>24. 45</i>    | <i>35. 35</i> | <i>400</i>  |  |
| <i>26. 10</i>    | <i>34. 50</i> | <i>500</i>  |  |
| <i>27. 10</i>    | <i>34. 00</i> | <i>600</i>  |  |
| <i>28. 20</i>    | <i>33. 10</i> | <i>700</i>  |  |
| <i>29. 35</i>    | <i>32. 00</i> | <i>800</i>  |  |
| <i>30. 30</i>    | <i>31. 30</i> | <i>900</i>  |  |
|                  |               | <i>1000</i> |  |
|                  |               | <i>1100</i> |  |
|                  |               | <i>1200</i> |  |
|                  |               | <i>1300</i> |  |
|                  |               | <i>1400</i> |  |
|                  |               | <i>1500</i> |  |
|                  |               | <i>1600</i> |  |
|                  |               | <i>1700</i> |  |
|                  |               | <i>1800</i> |  |
|                  |               | <i>1900</i> |  |
|                  |               | <i>2000</i> |  |
|                  |               | <i>2100</i> |  |
|                  |               | <i>2200</i> |  |
|                  |               | <i>2300</i> |  |
|                  |               | <i>2400</i> |  |

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

# SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS.

*Lead 7.13.*  
 No. *16,1761* Date *Feb. 12" 1889*  
*Sigsbee* Machine. Reel.

Turns *385* Cor. + *31* Depth *416*

Shot or lead *35 lbs.*

Bottom *bk. S.*

Bottom temperature *41.*

No. of Thermometer *61588* Cor.  $\pm 0$

Corrected temperature *41*

Air *62* Surface *60* Drift.

Trawl or dredge or tangles

| SOUNDING WIRE.         |               | TURNS. | DREDGE ROPE. |     |
|------------------------|---------------|--------|--------------|-----|
| DOWN.                  | UP.           |        | DOWN.        | UP. |
| <i>P. M. 9. 22. 00</i> | <i>31. 30</i> | 0      |              |     |
| <i>23. 30</i>          | <i>30. 35</i> | 100    |              |     |
| <i>24. 50</i>          | <i>29. 40</i> | 200    |              |     |
| <i>25. 55</i>          | <i>28. 50</i> | 300    |              |     |
|                        |               | 400    |              |     |
|                        |               | 500    |              |     |
|                        |               | 600    |              |     |
|                        |               | 700    |              |     |
|                        |               | 800    |              |     |
|                        |               | 900    |              |     |
|                        |               | 1000   |              |     |
|                        |               | 1100   |              |     |
|                        |               | 1200   |              |     |
|                        |               | 1300   |              |     |
|                        |               | 1400   |              |     |
|                        |               | 1500   |              |     |
|                        |               | 1600   |              |     |
|                        |               | 1700   |              |     |
|                        |               | 1800   |              |     |
|                        |               | 1900   |              |     |
|                        |               | 2000   |              |     |
|                        |               | 2100   |              |     |
|                        |               | 2200   |              |     |
|                        |               | 2300   |              |     |
|                        |               | 2400   |              |     |

|  |      |  |
|--|------|--|
|  | 2500 |  |
|  | 2600 |  |
|  | 2700 |  |
|  | 2800 |  |
|  | 2900 |  |
|  | 3000 |  |
|  | 3100 |  |
|  | 3200 |  |
|  | 3300 |  |
|  | 3400 |  |
|  | 3500 |  |
|  | 3600 |  |
|  | 3700 |  |
|  | 3800 |  |
|  | 3900 |  |
|  | 4000 |  |

#### SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. <sup>d</sup> TEMP. |
|--------|-------|--------------|------|-------------------------|
| 25     |       |              |      |                         |
| 50     |       |              |      |                         |
| 100    |       |              |      |                         |
| 200    |       |              |      |                         |
| 300    |       |              |      |                         |
| 400    |       |              |      |                         |
| 500    |       |              |      |                         |
| 600    |       |              |      |                         |
| 700    |       |              |      |                         |
| 800    |       |              |      |                         |
| 900    |       |              |      |                         |
| 1000   |       |              |      |                         |

#### REMARKS.

# Cor. Table #2 Rul.

| Cor. | Inns | Cor. | Inns | Cor. | Inns |
|------|------|------|------|------|------|
| 0    | 50   | 33   | 1550 | 113  | 3050 |
| 0    | 100  | 35   | 1600 | 116  | 3100 |
| 1    | 150  | 37   | 1650 | 120  | 3150 |
| 1    | 200  | 39   | 1700 | 124  | 3200 |
| 2    | 250  | 41   | 1750 | 128  | 3250 |
| 3    | 300  | 43   | 1800 | 132  | 3300 |
| 4    | 350  | 45   | 1850 | 136  | 3350 |
| 4    | 400  | 47   | 1900 | 140  | 3400 |
| 5    | 450  | 49   | 1950 | 144  | 3450 |
| 6    | 500  | 51   | 2000 | 148  | 3500 |
| 7    | 550  | 53   | 2050 | 151  | 3550 |
| 8    | 600  | 56   | 2100 | 155  | 3600 |
| 9    | 650  | 59   | 2150 | 159  | 3650 |
| 10   | 700  | 62   | 2200 | 163  | 3700 |
| 11   | 750  | 65   | 2250 | 167  | 3750 |
| 12   | 800  | 68   | 2300 | 171  | 3800 |
| 13   | 850  | 71   | 2350 | 175  | 3850 |
| 14   | 900  | 74   | 2400 | 179  | 3900 |
| 15   | 950  | 77   | 2450 | 183  | 3950 |
| 17   | 1000 | 80   | 2500 | 187  | 4000 |
| 19   | 1050 | 83   | 2550 | 192  | 4050 |
| 21   | 1100 | 86   | 2600 | 197  | 4100 |
| 22   | 1150 | 89   | 2650 | 202  | 4150 |
| 23   | 1200 | 92   | 2700 | 207  | 4200 |
| 24   | 1250 | 95   | 2750 | 211  | 4250 |
| 25   | 1300 | 98   | 2800 | 217  | 4300 |
| 27   | 1350 | 101  | 2850 | 221  | 4350 |
| 29   | 1400 | 104  | 2900 |      |      |
| 30   | 1450 | 107  | 2950 |      |      |
| 31   | 1500 | 110  | 3000 |      |      |

No of turns on Reel. 3500

Cosection. 148.

$$\begin{array}{r}
 3500 \\
 385 \\
 \hline
 3115
 \end{array}
 \qquad
 \begin{array}{r}
 148 \\
 117 \\
 \hline
 31
 \end{array}$$
  

$$\begin{array}{r}
 3500 \\
 780 \\
 \hline
 2720
 \end{array}
 \qquad
 \begin{array}{r}
 780 \\
 45- \\
 \hline
 735
 \end{array}
 \qquad
 \begin{array}{r}
 148 \\
 88 \\
 \hline
 60
 \end{array}$$
  

$$\begin{array}{r}
 148 \\
 95 \\
 \hline
 45-
 \end{array}
 \qquad
 \begin{array}{r}
 240 \\
 20 \\
 \hline
 220
 \end{array}
 \qquad
 \begin{array}{r}
 40
 \end{array}$$

limited at 11.3. 14.30  
 10-52 hrs. section 988.

$$\begin{array}{r}
 857 \\
 60 \\
 \hline
 917
 \end{array}
 \qquad
 \begin{array}{r}
 3500 \\
 360 \\
 \hline
 3140
 \end{array}
 \qquad
 \begin{array}{r}
 3500 \\
 857 \\
 \hline
 2643
 \end{array}$$
  

$$\begin{array}{r}
 3500 \\
 850 \\
 \hline
 2650
 \end{array}
 \qquad
 \begin{array}{r}
 3140 \\
 89 \\
 \hline
 3229
 \end{array}
 \qquad
 \begin{array}{r}
 148 \\
 120 \\
 \hline
 28
 \end{array}$$

Red Rock fish 1111  
 111  
 111  
 111

$$\begin{array}{r}
 148 \\
 106 \\
 \hline
 42
 \end{array}
 \qquad
 \begin{array}{r}
 400 \\
 400 \\
 \hline
 0
 \end{array}$$
  

$$\begin{array}{r}
 221 \\
 183 \\
 \hline
 404
 \end{array}
 \qquad
 \begin{array}{r}
 4350 \\
 221 \\
 \hline
 4571
 \end{array}
 \qquad
 \begin{array}{r}
 3500 \\
 48 \\
 \hline
 3548
 \end{array}$$